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DVP3320



EN User manual

PHILIPS

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1 Important

Safety and important notice

Warning

- Risk of overheating! Never install the DVD player in a confined space. Always leave a space of at least 4 inches around the DVD player for ventilation. Ensure curtains or other objects never cover the ventilation slots on the DVD player.
- Never place the DVD player, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Only use this DVD player indoors. Keep this DVD player away from water, moisture and liquid-filled objects.
- Never place this DVD player on other electrical equipment.
- Keep away from this DVD player during lightning storms.
- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.
- Be sure that you have full access to the power cord for easy disconnection of the DVD player from the power supply.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

About Progressive Scan

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service center.

Recycle notice

This electronic equipment contains a large number of materials that can be recycled or reused if disassembled by a specialized company. If you are disposing of an old machine, please take it to a recycling center. Please observe the local regulations regarding disposal of packaging materials, exhausted batteries and old equipment.

Copyright notice

Be responsible
Respect copyrights

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Trademark notice

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2 Your DVD player

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.
This DVD player brings audio and video to life. Just plays practically any disc format, including the digital photos with absolutely no compromise to picture quality.

Feature highlights

Screen Fit
View the movie in full screen display on any TV.

Progressive scan component video
Pushes the limits of standard resolution and provides a more film-like image display that is more pleasing for viewing DVDs on a TV display.

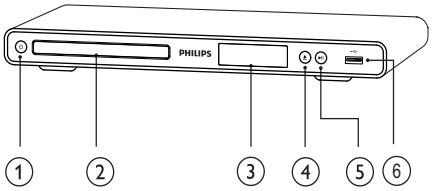
Region codes

You can play discs with the following region codes.

DVD region code	Countries
	Latin America

Product overview

Main unit



1 ⏻ (Standby-On)
- Turns on the DVD player or switches to standby mode.

2 Disc compartment

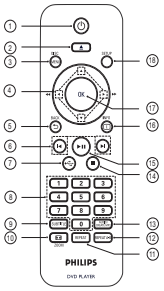
3 Display panel

4 ⏏ (Open/Close)
- Opens or closes the disc compartment.

5 ▶❚❚ (Play/Pause)
- Starts, pauses or resumes disc play.

6 •⇢ (USB) jack
- Connect a USB flash drive.

Remote control



1 ⏻ (Standby-On)
- Turns on the DVD player or switches to standby mode.

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② ▲ (Open/Close)
- Opens or closes the disc compartment.

③ DISC MENU
- Accesses or exits the disc menu.
- Switches to disc mode.
- For VCD and SVCD, turns PBC (playback control) on or off in PBC mode.

④ ▲▼◀▶ (Navigation buttons)
- Navigates through the menus.
- Searches fast-forward (right) or fast-backward (left). Press repeatedly to change the search speed.
- Searches slow-forward (up) or slow-backward (down). Press repeatedly to change the search speed.

⑤ ⮌ BACK
- Returns to the previous menu.
- For DVD, navigates to title menu.
- For VCD version 2.0 or SVCD with PBC turned on, returns to the menu.

⑥ ⏮ / ⏭ (Previous/Next)
- Skips to the previous or next title, chapter, or track.
- Press and hold for fast-backward or fast-forward search.

⑦ (USB)
- Switches to USB mode and displays the content.

⑧ Numeric buttons
- Selects an item to play.

⑨ SUBTITLE
- Selects the subtitle language on a disc.

⑩ ZOOM
- Fits the picture format to the TV screen.
- Zooms in or out of the picture.

⑪ REPEAT
- Toggles between various repeat modes.

⑫ REPEAT A-B
- Marks the section for repeat play, or turns off repeat mode.

⑬ AUDIO/CREATE MP3
- Selects an audio language or channel on a disc.
- Access the menu of creating MP3 files.

⑭ ■ (Stop)
- Stops disc play.

⑮ ▶❚❚ (Play/Pause)
- Starts, pauses or resumes disc play.

⑯ INFO
- For discs, displays information about the current status or the disc.
- For slideshows, displays a thumbnail view of photo files.

⑰ OK
- Confirms an entry or selection.

⑱ SETUP
- Accesses or exits the setup menu.

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3 Connect

Make the following connections to use your DVD player.

Basic connections:
- Video
- Audio

Optional connections:
- Route audio to other devices:
 - Digital amplifier/receiver
 - Analog stereo system

Note

- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

Tip

- Different types of connectors may be used to connect this product to your TV, depending on availability and your needs. A comprehensive interactive guide to help you connect your product is available at www.connectivityguide.philips.com.

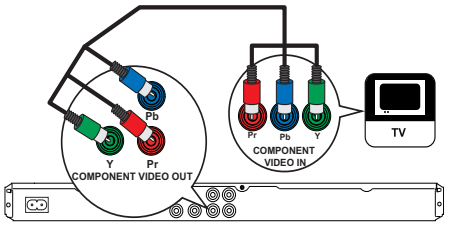
Connect video cables

Connect this DVD player to TV to view disc play. Select the best video connection that the TV can support.
- Option 1: Connect to component video jacks (for a standard TV or Progressive Scan TV).
- Option 2: Connect to video (CVBS) jack (for a standard TV).

Note

- You must connect this DVD player directly to a TV.

Option 1: Connect to component video jacks

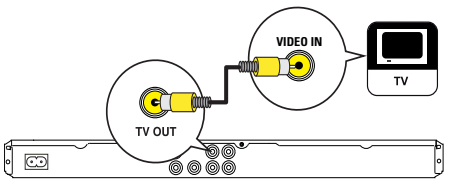


1 Connect the component video cables (not supplied) to the **Y Pb Pr** jacks on this DVD player and the component video input jacks on the TV.
- If a progressive scan TV is used, you may turn on the progressive scan mode.

Tip

- The component video input jacks on the TV may be labeled as Y Pb/Cb Pr/Cr or YUV.
- This type of connection provides good picture quality.

Option 2 : Connect to video (CVBS) jack



1 Connect a composite video cable (supplied) to the **TV OUT** jack on this

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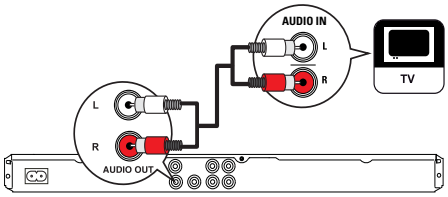
DVD player and the video input jack on the TV.

Tip

- The video input jack on the TV may be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This type of connection provides standard picture quality.

Connect audio cables

Connect the audio from this DVD player to the TV to allow sound output through the TV.

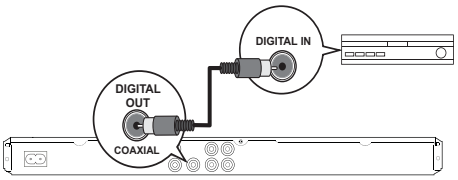


1 Connect the audio cables (supplied) to the **AUDIO OUT L/R** jacks on this DVD player and the audio input jacks on the TV.

Route audio to other devices

Route the audio from this DVD player to other devices to enhance audio play.

Connect to digital amplifier/receiver

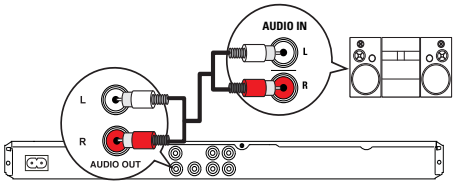


1 Connect a coaxial cable (not supplied) to the **COAXIAL/DIGITAL OUT** jack on this DVD player and the COAXIAL/ DIGITAL input jack on the device.

Tip

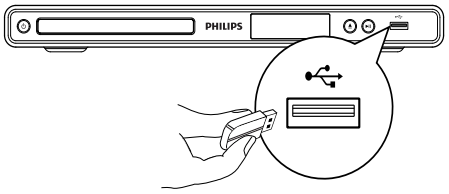
- You can optimize the audio output (see chapter 'Adjust settings' - **[Audio Setup]** > **[Digital Output]**) for details.

Connect to analog stereo system



1 Connect the audio cables (supplied) to the **AUDIO OUT L/R** jacks on this DVD player and the audio input jacks on the device.

Connect USB device



1 Connect the USB flash drive to the ⇠ (USB) jack on this DVD player.

Note

- This DVD player can only play or view MP3, WMA or JPEG files that are stored on such devices.
- Press ⇠ to access the content and play the files.

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Connect to power outlet

Warning

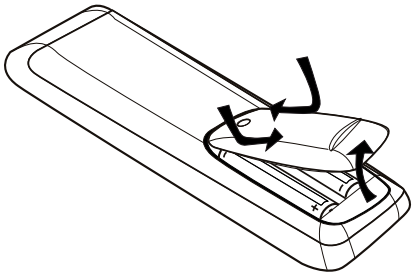
- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the DVD player.

1 Connect the power cord to the power outlet.
 ↳ The DVD player is ready to be set up for use.

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4 Get started

Prepare the remote control

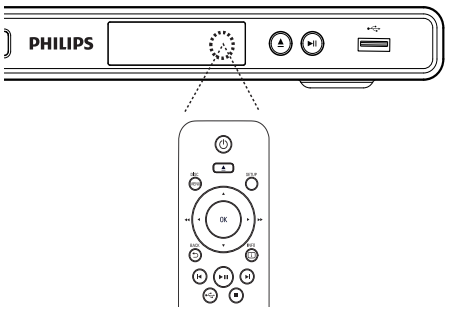


1 Push to open the battery compartment cover.
2 Insert 2 AAA batteries with correct polarity (+/-) as indicated.
3 Close the cover.

Caution

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, they should be disposed of properly.

Navigate the menu



1 Point the remote control directly at the remote sensor on this DVD player and select the desired function.
2 Use the following buttons on the remote control to navigate through the on-screen menus.

Button	Action
▲▼	Moves up or down.
◀▶	Moves left or right.
OK	Confirms a selection.
1 2 3 4 5 6 7 8 9 0	Enters numbers

Find the correct viewing channel

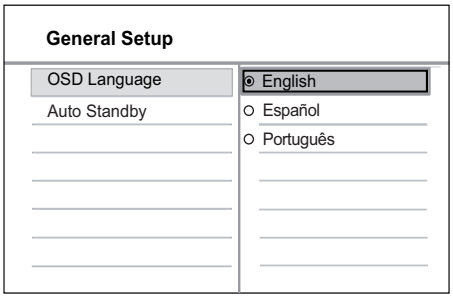
1 Press ⏻ to turn on the DVD player.
2 Turn on the TV and switch to the correct video-in channel in one of the following ways:
 - Go to the lowest channel on your TV, then press the Channel Down button until you see the Philips screen.
 - Press SOURCE button repeatedly on the remote control of your TV.

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Tip

- The video-in channel is between the lowest and highest channels and may be called FRONT, A/V IN, VIDEO, HDMI etc.. See the TV user manual on how to select the correct input on your TV.
- If the audio output of this DVD player is routed to other audio device (such as audio system or receiver), turn on the audio device to the appropriate audio input channel. Refer to the device user manual for details.

Select menu display language



1 Press **SETUP**.
↳ **[General Setup]** menu is displayed.

2 Select **[OSD language]**, then press ▶.
- The language options are different depending on your country or region. It may not correspond to the illustration shown here.

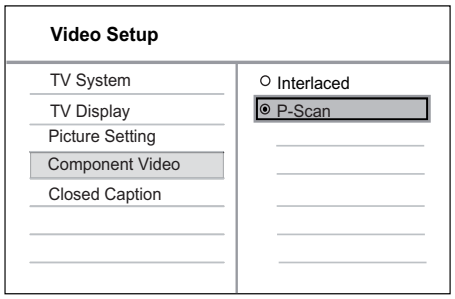
3 Press ▲▼ to select a language, then press **OK**.

Tip

- You can set the default language for DVD audio and disc menu, see chapter 'Adjust settings' - **[Preferences]** for details.

Turn on Progressive Scan

Connect a progressive scan TV with component video jacks (see chapter 'Connect video cables - Option 1: Connect to component video jacks' for details).



1 Turn on the TV to the correct viewing channel for this DVD player.

2 Press **SETUP**.

3 Press ▼ to select **[Video Setup]**.

4 Select **[Component Video]** > **[P-Scan]**, then press **OK**.
↳ A warning message is displayed.

5 To proceed, select **[Yes]** and press **OK**.
↳ The progressive setup is complete.

Note

- If a blank/distorted screen is displayed, wait for 15 seconds for the auto recover.
- If no picture displayed, turn off the progressive scan mode as follows: 1) Press ▲ to open the disc compartment. 2) Press the **Numeric button '1'**.

6 Press **SETUP** to exit the menu.

7 You can now turn on the progressive scan mode on the TV (see the TV user manual).

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Note

- During play, when progressive scan mode is on for both this DVD player and the TV, distorted picture may display. Turn off the progressive scan feature on both this DVD player and the TV.

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5 Play

Play from disc

Note

- DVDs and DVD players are designed with regional restrictions. Ensure that the DVD video you play is for the same region zone as your player (indicated on its back).
- The DVD player can support play of the following file formats: MP3/WMA/JPEG.
- To play DVD-R, DVD+R or DVD-RW, the disc must be finalized.

Play a disc

Caution

- Never place any objects other than discs into the disc compartment.

1 Press ▲ to open the disc compartment.
2 Insert a disc with its label facing up.
 - For double-sided discs, load the playing side facing up.
3 Press ▲ to close the disc compartment.
 - To view disc play, turn on the TV to the correct viewing channel for this DVD player.
 - If play does not start automatically, press ▶II.
4 To stop disc play, press ■.

Tip

- If the password entry menu is displayed, you have to enter the password before it can be played.
- If you pause or stop a disc for about 5 minutes, the screen saver activates. To deactivate the screen saver, press **DISC MENU**.
- After you pause or stop a disc and no buttons are pressed within 15 minutes, this DVD player automatically switches to standby mode.

Play video

Note

- For video disc, play always resumes from the point where it was last stopped. To start play from the beginning, press I◀ while the message is displayed.

Control a title

1 Play a title.
2 Use the remote control to control the title.

Button	Action
▶II	Starts, pauses or resumes disc play.
■	Stops disc play.
▶I	Skips to the next title or chapter.
I◀	Skips to the beginning of the current title or chapter. Press twice to jump to the previous title or chapter.
◀◀, ▶▶	Searches fast-forward (right) or fast-backward (left). Press repeatedly to change the search speed.
▲, ▼	Searches slow-forward (up) or slow-backward (down). Press repeatedly to change the search speed. For VCD/SVCD, slow-backward search is not available.

Change video play

1 Play a title.
2 Use the remote control to change the video play.

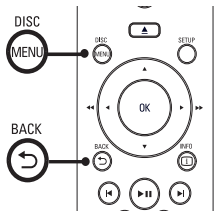
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Button	Action
AUDIO/ CREATE MP3	Selects an audio language or channel on a disc. Only applicable to discs with multiple audio language or channel.
SUBTITLE	Selects the subtitle language on a disc. Only applicable to discs with multiple subtitle language.
REPEAT	Selects or turns off repeat mode. Repeat options vary depending on the disc type. For VCD/SVCD, repeat play is only possible if the PBC mode is turned off.
ZOOM (Screen Fit)	Fits the picture format to the TV screen. Press repeatedly until the image is scaled to fit to the TV screen.
ZOOM	Toggles between screen aspect ratio and different zoom factor. To pan through the zoomed image, press the **Navigation buttons**.
INFO	Displays the current status or disc information. You can change the video play options here without interrupting disc play.

Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

Access DVD menu



1 Press **DISC MENU** to access disc main menu.

2 Select a play option, then press **OK**.
- In some menus, press the **Numeric buttons** to input your selection.
- To return to the title menu during play, press **BACK**.

Access VCD menu

The PBC (Playback Control) for VCD/SVCD is turned on by default in the factory. When you load in a VCD/SVCD, the contents menu is displayed.

1 Press **Numeric buttons** to select a play option, then press **OK** to start play.
- If PBC is off, it skips the menu and starts play from the first track.
- To return to the menu during play, press **BACK** (only possible if the PBC mode is on).

Tip

- Press **DISC MENU** to turn on or off the PBC mode.

Quick skip play to a specific time

1 During play, press **INFO**.
↳ The disc status menu is displayed.

2 Select the current elapsed playing time, then press ▶.
- **[TT Time]** (title time)
- **[Ch Time]** (chapter time)
- **[Disc Time]** (disc time)
- **[Track Time]** (track time)

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3 Press the **Numeric buttons** to enter the time where you want to skip to, then press **OK**

Display play time

1 During play, press **INFO**.
↳ The disc status menu is displayed.

2 Select **[Time Disp.]**, then press ▶.
↳ The display options are different depending on the disc type.

Option	Action
[Title Elapsed] / [Chapter Elapsed]	Displays DVD title or chapter elasped play time.
[Title Remain] / [Chapter Remain]	Displays DVD title or chapter remaining play time.
[Total Elapsed] / [Single Elapsed]	Displays VCD/SVCD disc or track elasped play time.
[Total Remain] / [Single Remain]	Displays VCD/SVCD disc or track remaining play time.

3 Select an option, then press **OK**.

View video play from different camera angles

1 During play, press **INFO**.
↳ The disc status menu is displayed.

2 Select **[Angle]**, then press ▶.

3 Press the **Numeric buttons** to change the angle.
↳ Play changes to the selected angle.

Note

- Applicable only to discs contain multi-angle scenes.

Repeat play a specific section

1 During play, press **REPEAT A-B** at where you want to set the starting point.

2 Press **REPEAT A-B** again to set the ending point.
↳ Repeat play starts.

3 To cancel repeat play, press **REPEAT A-B** again.

Note

- The marked section for repeat play is only possible within a track/title.

Play music

Note

- For some commercial audio disc, play may resume from the point where it was last stopped. To start play from first track, press ⏮.

Control a track

1 Play a track.

2 Use the remote control to control the track.

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Button	Action
▶II	Starts, pauses or resumes disc play.
■	Stops disc play.
▶I	Skips to the next track.
I◀	Skips to the beginning of the current track. Press twice to jump to the previous track.
1 2 3 4 5 6 7 8 9 0	Selects an item to play.
◀◀, ▶▶	Searches fast-forward (right) or fast-backward (left). Press repeatedly to change the search speed. To change search speed, press this button repeatedly.
REPEAT	Toggle through various repeat play mode; or turn off repeat mode. Repeat options vary depending on the disc type.

Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3, .wma extensions).

1 Insert a disc that contains the MP3/WMA music.
 ↳ A contents menu is displayed.

2 Play starts.
 • To select another track, press ▲▼, then press **OK**.

3 To return to the main menu, press ▲ until the root menu is selected, then press **OK**.
 • To select a folder, press ▲▼, then press **OK**.

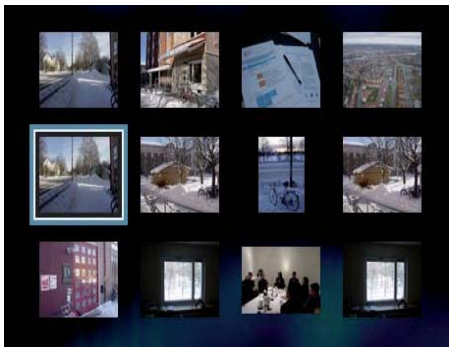
Note

- For CDs recorded in multiple sessions, only the first session is played.
- This DVD player does not support MP3PRO audio format.
- If any special characters are present in the MP3 track name (ID3) or album name, it may not display correctly on the screen because these characters are not supported.
- Some WMA is protected by Digital Rights Management (DRM), it cannot be played on this DVD player.
- Folders/files exceed the supported limit of this DVD player are not displayed or played.

Play photo

Play photo as slideshow

This DVD player can play JPEG photos (files with .jpeg or .jpg extensions).



1 Insert a disc that contains the JPEG photos.
 ↳ Slideshow begins (for Kodak disc) or a contents menu (for JPEG disc) is displayed.

2 Select the folder/album you want to play.
 • To preview the photos in the folder/album, press **INFO**.
 • To go to previous or next screen display, press I◀ / ▶I.
 • To select a photo, press the **Navigation buttons**.

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- To display the selected photo only, press **OK**.

3 Press **OK** to start slideshow play.
- To return to the menu, press **BACK**.

Note

- You may require longer time to display the disc content on the TV due to the large number of songs/photos compiled onto one disc.
- If the JPEG photo is not recorded with an 'exif' type file, the actual thumbnail picture is not be shown on the display. It is replaced by a 'blue mountain' thumbnail picture.
- This DVD player can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG and pictures in formats other than JPEG, or sound clips associated with pictures.
- Folders/files that exceed the supported limit of this DVD player are not displayed or played.

Control photo play

1 Play photo slideshow.

2 Use the remote control to control the photo.

Button	Action
◄	Rotates the photo anti-clockwise.
►	Rotates the photo clockwise.
▲	Rotates the picture 180°.
▼	Rotates the picture 180°.
ZOOM	Zooms in or out of the picture. Play pause in zoom mode.
■	Stops play.

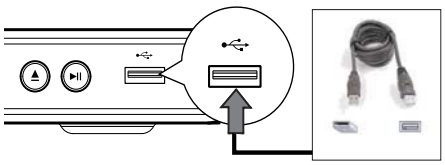
Play musical slideshow

Play MP3 music files and JPEG photo files simultaneously to create musical slideshow. The MP3 and JPEG files must be stored on the same disc.

1 Play MP3 music.

2 Navigate to the photo folder/album and press **OK** to start slideshow play.
↳ Slideshow begins and continues till the end of the photo folder or album.
↳ Audio continues to play till the end of the disc.
- To return to the menu, press **BACK**.
- To stop slideshow play, press ■.
- To stop music play, press ■ again.

Play from USB device



This DVD player plays or views MP3, WMA or JPEG files that are stored on USB device.

1 Connect a USB flash drive to the •⊂ (USB) jack on this DVD player.

2 Press •⊂.
↳ A contents menu is displayed.
↳ Play starts.

3 Select a file to play if play does not start automatically.
- For more information, see chapters 'Play music, Play photo, Play video' for details.

4 To stop play, press ■ or remove the USB device.
- To switch to the disc mode, press •⊂ or **DISC MENU**.

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Tip

- If the device does not fit into the USB jack, connect it through a USB extension cable.
- Digital cameras that require additional programme installation when connected to a PC are not supported.

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6 Adjust settings

This section describes the various setting options of this DVD player.

Symbol	Option
	[General Setup]
	[Audio Setup]
	[Video Setup]
	[Preferences]

Note

- If the setup option is grayed out, it means the setting cannot be changed at the current state.

General setup

General Setup	
OSD Language	
Auto Standby	

1 Press **SETUP**.
↳ **[General Setup]** menu is displayed.
2 Press ▶.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
- To return to the previous menu, press ◀.
- To exit the menu, press **SETUP**.

[OSD language]
Selects the default on-screen menu language.

[Auto standby]
Turns off or on automatic standby switching mode. It is an energy saving feature.
- **[On]** – Switches to standby after 15 minutes of inactivity (for example, in pause or stop mode).
- **[Off]** – Disables auto standby mode.

Audio setup

Audio Setup	
Digital Output	
Volume	
Down Sampling	
Night Mode	

1 Press **SETUP**.
↳ **[General Setup]** menu is displayed.
2 Press ▼ to select **[Audio Setup]**, then press ▶.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
- To return to the previous menu, press ◀.
- To exit the menu, press **SETUP**.

Note

- See the explanations of the above options in the following pages.

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[Digital Output]
Selects the setting based on the digital amplifier/receiver that is connected through the digital jack.
- **[Off]** - Disables digital output.
- **[PCM]** - Downmixs to PCM format (2 channel).
- **[All]** - Supports multi-channel audio formats.

[Volume]
Sets the default volume level when you play a disc.

1. Press **OK**.
2. Press ◀▶ to set the volume.
3. Press **OK** to confirm and exit.

[Down Sampling]
Selects the output sampling rate for better sound quality.
- **[On]** - for discs recorded at sampling rate of 48 kHz.
- **[Off]** - for discs recorded at sampling rate of 96 kHz.

[Night Mode]
Makes loud sound level softer and soft sound level louder so that you can watch the DVD movies at a low volume, without disturbing others.
- **[On]** – Enjoys quiet viewing at night.
- **[Off]** – Enjoys surround sound with a full dynamic range.

Note
- Applicable only to Dolby Digital encoded DVD.

Video setup

Video Setup	
TV System	
TV Display	
Picture Setting	
Component Video	
Closed Caption	

1 Press **SETUP**.
↳ **[General Setup]** menu is displayed.
2 Press ▼ to select **[Video Setup]**, then press ▶.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
- To return to the previous menu, press ◀.
- To exit the menu, press **SETUP**.

Note
- See the explanations of the above options in the following pages.

[TV System]
Change this setting if the video does not appear correctly. By default, this setting matches the most common setting for TVs in your country.
- **[NTSC]** – For NTSC-system TV.
- **[PAL]** – For PAL-system TV.
- **[Multi]**– For TV that is compatible with both PAL and NTSC.

Confirm the setting by pressing ◀ to select **[Yes]**, then press **OK**.

[TV Display]
Selects one of the following display formats:

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- **[4:3 Pan Scan]** – For 4:3 screen TV: full-height display with the trimmed sides.
- **[4:3 Letter Box]** – For 4:3 screen TV: wide-screen display with black bars on the top and bottom of the screen.
- **[16:9]** – For wide-screen TV: display ratio 16:9.

[Picture Setting]
Selects a predefined set of picture color settings or customize the personal setting.
- **[Standard]** – Original color setting.
- **[Bright]** – Vibrant color setting.
- **[Soft]** – Warm color setting.
- **[Personal]** – Customizes the color setting. Set the level of brightness, contrast, tint and color saturation, then press **OK**.

[Component Video]
Selects the video output that matches the video connection between this DVD player and the TV.
- **[Interlaced]** – for component video (**Y Pb Pr**) connection.
- **[P-Scan]** - for component video (**Y Pb Pr**) connection with progressive scan mode.

Confirm the setting by pressing ◄ to select **[Yes]**, then press **OK**.

Tip

- There is more detailed description available. See chapter 'Get started - Turn on Progressive Scan' for details.

[Closed Caption]
Turns off or on display captions.
- **[On]** – shows the sound effects in subtitles. Applicable only to discs with Closed Caption information included and the TV supports this feature.
- **[Off]** – disables closed caption.

Preferences

Note

- Stop disc play before you can access to **[Preferences]**.

Preferences	
Audio	
Subtitle	
Disc Menu	
Parental Control	
Password	
Version Info	
Default	

1 Press **SETUP**.
↳ **[General Setup]** menu is displayed.
2 Press ▼ to select **[Preferences]**, then press ►.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
- To return to the previous menu, press ◄.
- To exit the menu, press **SETUP**.

Note

- See the explanations of the above options in the following pages.

[Audio]
Selects the default audio language for disc play.

[Subtitle]

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Selects the default subtitle language for disc play.

[Disc Menu]
Selects the disc menu language.

Note

- If the language you have set is not available on the disc, the disc uses its own default language.
- For some DVDs, the subtitle/audio language can only change from the disc menu.

[Parental control]
Restricts access to discs that are unsuitable for children. These types of discs must be recorded with ratings.

1. Press ▶.
2. Select a rating level, then press **OK**
3. Press the **Numeric buttons** to enter the password.

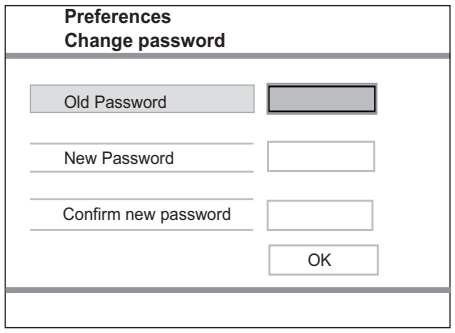
Note

- Rated DVDs above the level you set in **[Parental control]** require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select '**8**'.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

Tip

- You can set or change the password, go to **[Preferences]** > **[Password]**.

[Password]
Sets or changes the password for locked discs and play restricted DVDs.



1) Press the **Numeric buttons** to enter '0000' or the last set password at **[Old Password]** field.
2) Enter the new password at **[New Password]** field.
3) Enter the new password again at **[Confirm new password]** field.
4) Press **OK** to exit the menu.

Note

- If you forget the password, enter '0000' before you set a new password.

[Version Info]
Displays the software version of this DVD player.

Tip

- This information is required when you want to find out if a newest software version is available at the Philips website that you may download and install on this DVD player.

[Default]
Resets all the settings of this DVD player to factory default, except for **[Parental control]** and **[Password]** settings.

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7 Advanced features

Create MP3 files

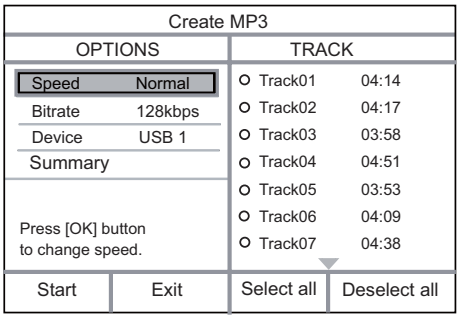
With this disc player, you can convert audio CDs into MP3 audio files. The created MP3 audio files are saved in the USB flash drive.

1 Insert an audio CD.

2 Connect a USB flash drive to the ⇢ jack on this product.

3 During disc play, press **AUDIO/CREATE MP3**.
↳ The MP3 creation menu is displayed.

4 Select **[Yes]** in the menu, then press **OK**.



5 Select a conversion option in the **[OPTIONS]** panel, then press **OK** repeatedly to select an item.

Option	Description
[Speed]	Select a copying speed.
[Bitrate]	Select a quality level. Higher bitrate for better sound quality and bigger file size.
[Device]	The createed files can only be saved in a USB flash drive.

6 Press ▶ to access the **[Track]** panel.

7 Select an audio track, then press **OK**.
- To select another track, repeat step 7.
- To select all tracks, select **[Select All]** in the menu, and press **OK**.
- To deselect all tracks, select [Deselect all] in the menu, and press **OK**.

8 Select **[Start]** in the menu, then press **OK** to start to convert.
↳ Once complete, a new folder is created automatically in the USB flash drive to store all the new MP3 files.
- To exit the menu, select **[Exit]**, then press **OK**.

Note

- When you convert, never press any button.
- DTS CDs and copy-protected CDs cannot be converted.
- Writer-protected or password-protected USB flash drives cannot be used to store MP3 files.

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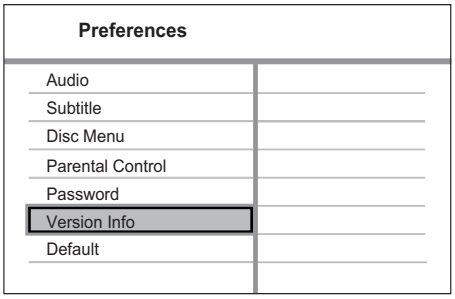
8 Additional information

Update software

To check for updates, compare the current software version of this DVD player with the latest software version (if available) at the Philips website.

Caution

- Power supply must not be interrupted during software upgrade.



1 Press **SETUP**.
2 Select **[Preferences]** > **[Version Info]**, then press **OK**.
3 Write down the file name, then press **SETUP** to exit the menu.
4 Visit www.philips.com/support to check for the latest software version, using the file name for this DVD player.
5 Refer to the upgrade instructions for more information.

Note

- Disconnect the power cord for a few seconds and connect again to reboot the system.

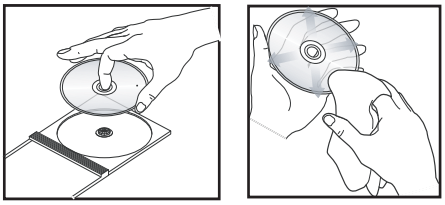
Care

Caution

- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

Clean discs

Wipe the disc with a micro fibre cleaning cloth from the center to the edge in a straight line movement.



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9 Specification

Note

- Specification and design are subject to change without notice.

Accessories supplied

- Remote control and batteries
- Audio/video cables
- Power cable

Playback media

- DVD-Video, Video CD/SVCD, Audio CD, CD-R/CD-RW, DVD+R/+RW, DVD-R/-RW, Picture CD, MP3-CD, WMA-CD, USB flash drive

USB

- Compatibility: USB
- Class support: UMS (USB Mass Storage Class)

TV standard

- Number of lines:
 - 625 (PAL/50Hz); 525 (NTSC/60Hz)
- Playback: Multi-standard (PAL/NTSC)

Video performance

- Video DAC: 14 bits, 108 MHz
- Y Pb Pr: 0.7 Vpp ~ 75 ohm
- Video output: 1 Vpp ~ 75 ohm

Video format

- Digital compression:
 - MPEG 2: DVD/SVCD
 - MPEG 1: VCD
- Horizontal resolution:
 - DVD: 720 pixels (50 Hz); 720 pixels (60 Hz)
 - VCD: 352 pixels (50 Hz); 352 pixels (60 Hz)
- Vertical resolution:
 - DVD: 576 pixels (50 Hz); 480 pixels (60 Hz)
 - VCD: 288 lines (50 Hz); 240 lines (60 Hz)

Audio performance

- DA converter: 24 bits, 192 kHz
- Frequency response:
 - DVD: 4 Hz - 22 kHz (48 kHz); 4 Hz - 44 kHz (96 kHz)
 - SVCD: 4 Hz - 20 kHz (44.1 kHz); 4 Hz - 22 kHz (48 kHz)
 - CD/VCD: 4 Hz - 20 kHz (44.1 kHz)
- Signal-Noise (1 kHz): > 90 dB (A-weighted)
- Dynamic range (1 kHz): > 80 dB (A-weighted)
- Crosstalk (1 kHz): > 90 dB
- Distortion/noise (1 kHz): > 65 dB
- MPEG MP3: MPEG Audio L3

Audio format

- Digital:
 - MPEG/AC-3/PCM: Compressed digital (16, 20, 24 bits fs, 44.1, 48, 96 kHz)
 - MP3 (ISO 9660): 96, 112, 128, 256 kbps & variable bit rate fs, 32, 44.1, 48 kHz
- Analog sound stereo
- Dolby surround compatible downmix from Dolby Digital multi-channel sound

Connections

- Y Pb Pr output: Cinch 3x
- Video output: Cinch (yellow)
- Audio output (L+R): Cinch (white/red)
- Digital output:
 - 1 coaxial: IEC60958 for CDDA/LPCM; IEC61937 for MPEG 1/2, Dolby Digital

Main unit

- Dimensions (w x h x d): 360 x 37 x 209 (mm)
- Net Weight: approximately 1.3 kg

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Power

- Power supply rating: 110 V - 240 V; 50/60 Hz
- Power consumption: < 10 W
- Power consumption in standby mode: < 1 W

Laser specification

- Type: Semiconductor laser InGaAlP (DVD), AlGaAs (CD)
- Wave length: 655 nm (DVD), 790 nm (CD)
- Output Power: 10 mW (DVD), 5 mW (VCD/CD)
- Beam divergence: 60 degrees

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10 Troubleshooting

Warning

- Risk of electric shock. Never remove the casing of the DVD player.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using the DVD player, check the following points before requesting service. If the problem remains unsolved, register your DVD player and get support at www.philips.com/welcome.

If you contact Philips, you will be asked for the model and serial number of your DVD player. The model number and serial number are on the back or bottom of your DVD player. Write the numbers here:
Model No. _____
Serial No. _____

Main unit

The buttons on this unit do not work.

- Disconnect this DVD player from the power outlet for a few minutes, then connect again.

Picture

No picture.

- See the TVs user manual on how to select the correct input on the TV. Change the TV channel until you see the Philips screen.

If you have turned on the progressive scan setting or change the TV system setting, switch back to default mode: 1) Press ▲ to open the disc compartment. 2) Press the **Numeric button '1'** (for progressive scan) or the **Numeric button'3'** (for TV system).

Sound

No sound.

- Ensure that the audio cables are connected and the connected device is turned on to the correct input source.

Play

The aspect ratio of the screen is not aligned with the TV display setting.

- The aspect ratio is fixed on the disc.

The contents of the USB flash drive cannot be read.

- The USB flash drive format is not compatible with this DVD player.
- Drive is formatted with different file system which is not supported by this DVD player (e.g. NTFS).

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11 Glossary

A

Aspect ratio
Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

J

JPEG
A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension '.jpg' or '.jpeg.'

M

MP3
A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

P

PBC
Playback Control. A system where you navigate through a Video CD/Super VCD with on-screen menus that are recorded onto the disc. You can enjoy interactive playback and search.

Progressive scan
The progressive scan displays twice the number of frames per second than in an ordinary TV system. It offers higher picture resolution and quality.

W

WMA
Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded with Windows Media player version 9 or Windows Media player for Windows XP. Files are recognized by their file extension '.wma.'

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